

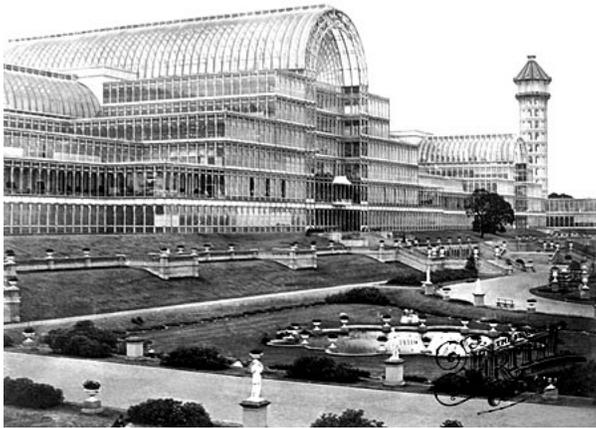
Architecture After the Industrial Revolution

Directions: Fill in the blanks as you review the Architecture After the Industrial Revolution presentation.

The Industrial Revolution

The Industrial Revolution began in 1) _____ in the eighteenth century and quickly 2) _____ across Europe and North America. New 3) _____ and 4) _____ transformed an agricultural and commercial way of life into a modern industrial society. 5) _____ brought about by the Industrial Revolution revolutionized families and lifestyles as the factory system drew workers away from the 6) _____ family economy to 7) _____ areas.

The growth of heavy industry brought a flood of new building 8) _____—such as cast iron, 9) _____, and 10) _____—with which architects and engineers devised structures hitherto undreamed of in function, 11) _____ and form.



Metal Structure

Structure: _____

Location: _____

Architect: Sir Joseph Paxton

Square Feet: _____

Date: 1850-1851

In 1849 Prince Albert, husband of Queen Victoria, and president of the Royal Society of Arts, conceived the idea of inviting international exhibitors to participate in an exposition.

The exhibition was to take place in the 1) _____ 2) _____, designed by Sir Joseph Paxton for this occasion. It was a remarkable construction of prefabricated parts. It consisted of an intricate network of slender 3) _____ rods sustaining walls of clear 4) _____.

The building dazzled the millions of visitors who passed through its doors and demonstrated an undreamed-of kind of 5) _____ 6) _____. It was spacious enough to enclose mature existing 7) _____ within its walls and 8 miles of display tables.

Some 14,000 exhibitors participated. Among the American exhibits were false teeth, 8) _____ legs, and Colt's repeating pistol.



Metal Structure

Structure: _____

Location: Paris, France

Architect: _____

Height: _____

Date Constructed: 1889

Improvements to the iron making process encouraged the building of bridges and other structures. Large 12) _____ open spaces were now made possible with the use of strong 13) _____ 14) _____ construction. The Eiffel Tower, built for the 1889 Exhibition in Paris was a dramatic demonstration by the French of their 15) _____ of this new construction technology.

It was heavily 16) _____ by some architects and artists who scorned it as an example of the “blackness of industry” and saw it as blight on the city’s skyline.

The symbol of Paris and of France, the 17) _____ 18) _____ is one of the best known monuments in the world, and the one whose silhouette has been most depicted.

The First Skyscrapers

The 19) _____ to build the tallest building in the 20) _____ has been going on ever since the first skyscraper, the Home Insurance Building, was built in Chicago in 1885 (it was demolished in 1931). The Empire State Building was the first building to have more than 100 floors and the tallest building in the world until 1973 when it was surpassed by the World Trade Center. At 828 meters or 2,717 feet, Burj Khalifa is the 21) _____ building in the world, but according to recent news, it might not be long until it gets 22) _____.



Left: Bird’s eye view of the Dubai skyline from the tallest building in the world.



The First Skyscrapers

Structure A: The Home Insurance Building

Location: _____

Height: _____

Completed: 1885

Known for: The first skyscraper

Structure B: _____

Location: New York City, New York

Height: _____

Completed: 1930

Known for: Gargoyles, Tallest building in the world for 1 year.



Structure C: _____

Location: New York City, New York

Height: 1250 feet

Completed: 1931

Known for: _____

Structure E: The Salt Lake Temple

Location: _____

Height: 223 feet

Completed: _____

Known for: Built by Utah's earliest settlers--Took 40 years to build



Structure F: One World Tower

Location: New York City, New York

Height: _____

Completed: 2014

Known for: _____

Structure G: _____

Location: Dubai, United Arab Emirates

Height: 2717 feet

Completed: 2011

Known for: _____



Structure H: _____

Location: Changsha, China

Height: _____

Completed: _____

Known for: _____

